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FIBER ORGANON

Formerly Textile Organon

Volume 60, No.8 ☐ August 1989

A puplication of *Fiber Economics Bureau*, Inc.

Highlights

- 1984 - 1988 Summary of U.S. Imports and Exports of Manufactures...begins on page 183.
- U.S. Production of Hosiery...see page 187.
- Quarterly Manufactured Fiber Data...see pages 194 - 195.

SHIPMENTS:

In July, total manufactured fiber shipments reached 702 million pounds, 6% below the 744 million pounds shipped in June and slightly below the 705 million pounds shipped in July 1988.

July shipments of synthetic (noncellulosic) filament yarn fell 3% to 336 million pounds and staple+tow fell 8% to 323 million pounds.

Contributing to the decrease in shipments over the previous month were olefin staple+tow down 17% or 6 million pounds and nylon industrial yarn down 4 million pounds or 11%.

Year-to-date domestic shipments of manufactured fiber are up 3% and exports are down 12%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1989 JUL	1989 JUN	% CHG 7/89-6/89	1988 JUL	% CH 7/89-7/88	YEAR TO DATE 1989	YEAR TO DATE 1988	% CHG YTD 1989-1988
ARTIFICIAL (CELLULOSIC)								
YARN	18.9	18.4	*+2.7*	19.1	*-1.0*	129.9	124.4	*+4.4*
RAYON STAPLE	24.8	30.9	*-19.7*	29.1	*-14.8*	225.0	244.2	*-7.9*
TOTAL ARTIFICIAL (CELL.)	43.7	49.3	*-11.4*	48.2	*-9.3*	354.9	368.6	*-3.7*
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON INDUSTRIAL	29.0	32.7	*-11.3*	32.4	*-10.5*	217.3	222.2	*-2.2*
CARPET	73.4	78.5	*-6.5*	73.7	*-0.4*	549.6	553.5	*-0.7*
TEXTILE [a]	31.8	34.2	*-7.0*	27.7	*+14.8*	236.5	219.0	*+8.0*
POLYESTER INDUSTRIAL	30.7	32.8	*-6.4*	29.3	*+4.8*	215.3	208.8	*+3.1*
TEXTILE [a]	73.2	66.1	*+10.7*	70.2	*+4.3*	513.3	485.9	*+5.6*
OLEFIN	97.6	101.0	*-3.4*	89.0	*+9.7*	723.7	698.4	*+3.6*
TOTAL YARN	335.7	345.3	*-2.8*	322.3	*+4.2*	2455.7	2387.8	*+2.8*
STAPLE+TOW+FIBERFILL								
NYLON	74.9	78.3	*-4.3*	75.0	*-0.1*	560.4	546.9	*+2.5*
ACRYLIC+MODACRYLIC	41.1	44.0	*-6.6*	42.1	*-2.4*	322.5	337.2	*-4.4*
POLYESTER	179.1	193.9	*-7.6*	190.9	*-6.2*	1405.7	1380.6	*+1.8*
OLEFIN	27.8	33.5	*-17.0*	26.9	*+3.3*	219.7	209.7	*+4.8*
TOTAL STAPLE	322.9	349.7	*-7.7*	334.9	*-3.6*	2508.3	2474.4	*+1.4*
TOTAL SYNTHETIC (NONCELL.)	658.6	695.0	*-5.2*	657.2	*+0.2*	4964.0	4862.2	*+2.1*
TOTAL MANUFACTURED FIBER	702.3	744.3	*-5.6*	705.4	*-0.4*	5318.9	5230.8	*+1.7*
TOTAL SHIPMENTS DIVIDED AS								
DOMESTIC SHIPMENTS [b]	663.5	704.2	*-5.8*	652.1	*+1.7*	5020.9	4891.1	*+2.7*
EXPORTS [c]	38.8	40.1	*-3.2*	53.3	*-27.2*	298.0	339.7	*-12.3*

a Includes low denier industrial yarn.
b Includes olefin exports.
c Excludes olefin exports.

August 1989

Fiber Organon

A Monthly Review
Formerly ***Textile Organon***

CONTENTS

Features

Raw Fiber Equivalent of Imports, Exports & Balance 183-186
Raw Fiber Equivalent of Imports & Exports of:
Manufactured Fiber, Cotton & Wool Manufactures 183
Manufactured Fiber Manufactures 184
Cotton Manufactures 185
Wool Manufactures 186

U.S Production of Hosiery, 1979-1988 187

Harmonized Tariff Schedule Numbers 188-189
U.S. Manufactured Fiber Imports 188
U.S. Manufactured Fiber Exports 189

Industry Regulars

Total U.S. Manufactured Fiber Shipments 181

Monthly U.S. Manufactured Fiber Data 190- 192
Imports by Fiber 190
Exports by Fiber 191
Imports by Country of Origin 192

Selected U.S. Monthly Fiber Data 193

Quarterly Manufactured Fiber Data 194-195
Yarn+Monofilaments 194
Staple+Tow 195

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TABLE 2:
RAW FIBER EQUIVALENT OF IMPORTS & EXPORTS OF MANUFACTURED FIBER, COTTON & WOOL MANUFACTURES
MILLION POUNDS

	MANUFACTURED FIBER							COTTON							WOOL						
	ANNUAL AVERAGE							ANNUAL AVERAGE							ANNUAL AVERAGE						
COMMODITY	1974 - 1978	1979 - 1983	1984	1985	1986	1987	1988	1974 - 1978	1979 - 1983	1984	1985	1986	1987	1988	1974 - 1978	1979 - 1983	1984	1985	1986	1987	1988
IMPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC[a]	29.4	39.8	71.0	74.7	96.3	91.9	67.5	19.1	25.3	54.6	56.3	105.9	134.5	95.5	5.8	5.7	16.3	14.1	13.7	14.6	13.1
CLOTH[b]	86.5	102.5	170.4	129.1	245.0	211.7	205.6	272.7	291.6	450.8	421.2	532.9	649.9	466.4	14.8	24.9	39.0	36.4	25.9	29.5	29.9
SUBTOTAL	**115.9**	**142.3**	**241.4**	**203.8**	**341.3**	**303.6**	**273.1**	**291.8**	**316.9**	**505.4**	**477.5**	**638.8**	**784.4**	**561.9**	**20.6**	**30.6**	**55.3**	**50.5**	**39.6**	**44.1**	**43.0**
MANUFACTURED PRODUCTS																					
WEARING APPAREL[c]	335.6	447.6	688.9	798.1	929.4	1033.6	991.6	292.6	505.5	759.5	895.5	1016.0	1265.6	1254.4	33.8	45.4	80.8	137.0	155.6	158.9	144.3
INDUSTRIAL[d]	2.0	0.2	0.4	0.9	2.7	5.6	11.5	6.0	9.8	37.6	32.4	46.4	53.2	51.5	NOMINAL QUANTITIES INCLUDED IN ALL OTHER						
HOME FURNISHINGS[e]	31.4	68.2	411.3	394.2	429.2	462.6	459.5	38.8	58.9	138.9	169.7	182.9	205.2	218.7	13.8	20.9	52.1	60.8	62.9	53.1	41.2
ALL OTHER[f]								16.3	16.3	23.4	38.6	26.4	27.6	32.1	1.1	1.3	1.2	0.6	2.4	2.2	2.0
SUBTOTAL	**369.0**	**516.0**	**1100.6**	**1193.2**	**1361.3**	**1501.8**	**1462.6**	**353.7**	**590.5**	**959.4**	**1136.2**	**1271.7**	**1551.3**	**1556.7**	**48.7**	**67.6**	**134.1**	**198.4**	**220.9**	**214.2**	**187.5**
TOTAL IMPORTS	**484.9**	**658.3**	**1342.0**	**1397.0**	**1702.6**	**1805.4**	**1735.7**	**645.5**	**907.4**	**1464.8**	**1613.7**	**1910.5**	**2335.7**	**2118.6**	**69.3**	**98.2**	**189.4**	**248.9**	**260.5**	**258.3**	**230.5**
EXPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC[a]	37.9	49.4	38.5	50.9	47.9	53.9	66.6	21.7	36.1	20.0	25.8	16.6	19.6	27.2	7.4	4.3	2.7	9.3	6.3	12.7	16.5
CLOTH[b]	169.5	227.1	152.6	158.6	184.2	209.9	246.1	217.7	150.2	64.5	82.2	126.4	107.3	96.7	1.1	1.5	1.4	1.6	2.3	2.2	2.1
SUBTOTAL	**207.4**	**276.5**	**191.1**	**209.5**	**232.1**	**263.8**	**312.7**	**239.4**	**186.3**	**84.5**	**108.0**	**143.0**	**126.9**	**123.9**	**8.5**	**5.8**	**4.1**	**10.9**	**8.6**	**14.9**	**18.6**
MANUFACTURED PRODUCTS																					
WEARING APPAREL	37.6	90.9	79.4	65.2	74.9	82.5	88.1	52.8	109.3	68.2	55.4	73.9	108.4	123.1	3.1	6.2	2.7	3.9	3.8	4.2	6.1
INDUSTRIAL[d]	33.8	60.3	31.3	30.2	46.3	53.8	46.3	22.8	17.6	14.4	16.5	21.0	21.7	27.4	NOMINAL QUANTITIES INCLUDED IN ALL OTHER						
HOME FURNISHINGS[e]	49.1	67.6	102.9	81.9	86.8	101.0	138.2	36.4	36.8	36.9	30.4	36.4	40.1	54.6	2.3	2.1	6.5	3.3	0.2	0.2	0.3
ALL OTHER[g]	47.1	85.6	83.3	73.5	79.1	90.8	99.3	25.5	18.2	0.6	0.4	0.6	0.9	1.2	1.9	1.8	1.8	1.2	1.6	2.0	2.8
SUBTOTAL	**167.6**	**304.4**	**296.9**	**250.8**	**287.1**	**328.1**	**371.9**	**137.5**	**181.9**	**120.1**	**102.7**	**131.9**	**171.1**	**206.3**	**7.3**	**10.1**	**11.0**	**8.4**	**5.6**	**6.4**	**9.2**
TOTAL EXPORTS	**375.0**	**580.9**	**488.0**	**460.3**	**519.2**	**591.9**	**684.6**	**376.9**	**368.2**	**204.6**	**210.7**	**274.9**	**298.0**	**330.2**	**15.8**	**15.9**	**15.1**	**19.4**	**14.2**	**21.3**	**27.8**
NET EXPORTS (+) OR NET IMPORTS (-)	**-109.9**	**-77.4**	**-854.0**	**-936.7**	**-1183.4**	**-1213.5**	**-1051.1**	**-268.6**	**-539.2**	**-1260.2**	**-1403.0**	**-1635.6**	**-2037.7**	**-1788.4**	**-53.5**	**-82.3**	**-174.3**	**-229.5**	**-246.3**	**-237.0**	**-202.7**

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation*.

a. Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Manufactured fiber yarn singles (textured and other) are not included here, rather they are included in Column 13 page 52 of the March 1989 ***Textile Organon***.

Manufactured fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1988 only, the corresponding quantities for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 87.0, 108.8, 162.0, 95.5, 80.1 & 73.4.

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Includes lace & lace articles, veils & veilings and nets & nettings.

d. The manufactured fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel. For 1983-1986, manufactured fiber and cotton include imports of soft-sided luggage. For those years the quantities were respectively: 180.5, 228.0, 157.4 and 169.3 for manufactured fiber and 14.1, 18.7, 8.2 & 30.1 for cotton.

g. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes narrow fabric and wool includes knit fabrics.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with manufactured fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 3:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF MANUFACTURED FIBER MANUFACTURES
MILLION POUNDS

COMMODITY	1988 REVISED												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1988	1987
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC [a]	6.6	5.3	5.2	5.2	5.9	6.0	6.3	5.3	5.2	5.4	5.6	5.5	67.5	91.9
CLOTH [b]	17.0	14.1	16.7	19.1	18.8	20.0	18.1	18.6	14.6	17.9	15.6	15.1	205.6	211.7
SUBTOTAL	**23.6**	**19.4**	**21.9**	**24.3**	**24.7**	**26.0**	**24.4**	**23.9**	**19.8**	**23.3**	**21.2**	**20.6**	**273.1**	**303.6**
MANUFACTURED PRODUCTS														
WEARING APPAREL	82.4	76.1	64.7	63.4	83.3	103.3	104.9	107.0	87.3	81.9	71.6	65.7	991.6	1033.6
INDUSTRIAL [c]	1.0	1.1	1.1	1.1	1.0	0.8	0.7	0.9	0.9	1.1	1.2	0.6	11.5	5.6
HOME FURNISHINGS [d]														
ALL OTHER [e]	34.9	38.5	37.8	34.6	39.8	41.3	39.8	42.5	38.0	37.9	38.0	36.4	459.5	462.6
SUBTOTAL	**118.3**	**115.7**	**103.6**	**99.1**	**124.1**	**145.4**	**145.4**	**150.4**	**126.2**	**120.9**	**110.8**	**102.7**	**1462.6**	**1501.8**
TOTAL IMPORTS	**141.9**	**135.1**	**125.5**	**123.4**	**148.8**	**171.4**	**169.8**	**174.3**	**146.0**	**144.2**	**132.0**	**123.3**	**1735.7**	**1805.4**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC [a]	4.5	5.0	6.3	5.1	4.8	5.9	5.4	5.9	5.6	4.8	5.6	7.7	66.6	53.9
CLOTH [b]	17.5	18.0	23.4	21.2	21.5	19.4	18.3	21.2	21.0	20.6	21.6	22.4	246.1	209.9
SUBTOTAL	**22.0**	**23.0**	**29.7**	**26.3**	**26.3**	**25.3**	**23.7**	**27.1**	**26.6**	**25.4**	**27.2**	**30.1**	**312.7**	**263.8**
MANUFACTURED PRODUCTS														
WEARING APPAREL	6.3	6.8	8.3	7.6	7.8	7.0	7.0	7.3	7.5	7.3	7.8	7.4	88.1	82.5
INDUSTRIAL [c]	3.1	5.2	5.0	4.3	3.8	4.2	3.2	3.6	3.5	3.2	3.2	4.0	46.3	53.8
HOME FURNISHINGS [d]	7.8	9.3	13.1	12.8	14.0	12.1	10.7	11.1	14.2	11.8	10.8	10.5	138.2	101.0
ALL OTHER [e]	6.8	8.5	8.7	8.8	9.5	8.1	7.5	8.5	8.0	9.1	7.8	8.0	99.3	90.8
SUBTOTAL	**24.0**	**29.8**	**35.1**	**33.5**	**35.1**	**31.4**	**28.4**	**30.5**	**33.2**	**31.4**	**29.6**	**29.9**	**371.9**	**328.1**
TOTAL EXPORTS	**46.0**	**52.8**	**64.8**	**59.8**	**61.4**	**56.7**	**52.1**	**57.6**	**59.8**	**56.8**	**56.8**	**60.0**	**684.6**	**591.9**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC [a]	2.1 I	0.3 I	1.1 E	0.1 I	1.1 I	0.1 I	0.9 I	0.6 E	0.4 E	0.6 I	0	2.2 E	0.9 I	38.0 I
CLOTH [b]	0.5 E	3.9 E	6.7 E	2.1 E	2.7 E	0.6 I	0.2 E	2.6 E	6.4 E	2.7 E	6.0 E	7.3 E	40.5 E	1.8 I
SUBTOTAL	**1.6 I**	**3.6 E**	**7.8 E**	**2.0 E**	**1.6 E**	**0.7 I**	**0.7 I**	**3.2 E**	**6.8 E**	**2.1 E**	**6.0 E**	**9.5 E**	**39.6 E**	**39.8 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	76.1 I	69.3 I	56.4 I	55.8 I	75.5 I	96.3 I	97.9 I	99.7 I	79.8 I	74.6 I	63.8 I	58.3 I	903.5 I	951.1 I
INDUSTRIAL [c]	2.1 E	4.1 E	3.9 E	3.2 E	2.5 E	3.4 E	2.5 E	2.7 E	2.6 E	2.1 E	2.0 E	3.4 E	34.8 E	48.2 E
HOME FURNISHINGS [d]														
ALL OTHER [f]	20.3 I	20.7 I	16.0 I	13.0 I	16.3 I	21.1 I	21.6 I	22.9 I	15.8 I	17.0 I	19.4 I	17.9 I	222.0 I	270.8 I
SUBTOTAL	**94.3 I**	**85.9 I**	**68.5 I**	**65.6 I**	**88.0 I**	**114.0 I**	**117.0 I**	**119.9 I**	**93.0 I**	**89.5 I**	**81.2 I**	**72.8 I**	**1090.7 I**	**1173.7 I**
TOTAL BALANCE	**95.9 I**	**82.3 I**	**60.7 I**	**63.6 I**	**87.4 I**	**114.7 I**	**117.7 I**	**116.7 I**	**86.2 I**	**87.4 I**	**75.2 I**	**63.3 I**	**1051.1 I**	**1213.5 I**

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation*

a. Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here, rather they are included in Column 13 page 52 of the March 1989 ***Textile Organon.***

Manufactured fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1988 only, the corresponding quantities for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 87.0, 108.8, 162.0, 95.5, 80.1 & 73.4

b. Includes broad & narrow woven fabrics and knit cloth.

c. The manufactured fiber data are tire cord & tire cord fabric.

d. Includes carpets & rugs. Lace window curtains are in All Other.

e. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc.

f. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with manufactured fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 4:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF COTTON MANUFACTURES
MILLION POUNDS

COMMODITY	1988 REVISED												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1988	1987
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC [a]	11 0	8 6	8 9	7 2	8 1	6 4	6 3	7 5	7 6	7 1	8 0	8 8	95 5	134 5
CLOTH [b]	37 9	41 5	43 6	40 9	36 1	36 7	35 8	37 1	35 0	38 4	38 3	45 1	466 4	649 9
SUBTOTAL	**48.9**	**50.1**	**52.5**	**48.1**	**44.2**	**43.1**	**42.1**	**44.6**	**42.6**	**45.5**	**46.3**	**53.9**	**561.9**	**784.4**
MANUFACTURED PRODUCTS														
WEARING APPAREL	124 8	116 6	96 7	81 7	92 7	118 9	116 3	113 6	96 7	101 2	99 2	96 0	1254 4	1265 6
INDUSTRIAL	5 7	5 8	4 8	3 9	3 8	4 5	3 1	4 1	2 9	3 8	4 2	4 9	51 5	53 2
HOME FURNISHINGS [c]	19 2	20 1	19 9	17 9	17 5	17 9	17 1	21 6	16 7	16 9	17 1	16 8	218 7	205 2
ALL OTHER [d]	2 7	2 4	2 9	2 6	2 8	2 8	2 6	3 2	2 4	2 5	2 8	2 4	32 1	27 3
SUBTOTAL	**152.4**	**144.9**	**124.3**	**106.1**	**116.8**	**144.1**	**139.1**	**142.5**	**118.7**	**124.4**	**123.3**	**120.1**	**1556.7**	**1551.3**
TOTAL IMPORTS	**201.3**	**195.0**	**176.8**	**154.2**	**161.0**	**187.2**	**181.2**	**187.1**	**161.3**	**169.9**	**169.6**	**174.0**	**2118.6**	**2335.7**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC [a]	1 1	1 8	2 8	2 1	1 7	2 1	2 2	2 6	3 4	2 6	2 4	2 4	27 2	19 6
CLOTH [b]	7 9	7 0	9 0	7 9	8 1	8 1	6 1	7 0	9 0	7 5	8 9	10 2	96 7	107 3
SUBTOTAL	**9.0**	**8.8**	**11.8**	**10.0**	**9.8**	**10.2**	**8.3**	**9.6**	**12.4**	**10.1**	**11.3**	**12.6**	**123.9**	**126.9**
MANUFACTURED PRODUCTS														
WEARING APPAREL	8 7	9 5	12 0	10 7	10 4	9 2	9 3	10 1	10 8	10 7	10 5	11 2	123 1	108 4
INDUSTRIAL	1 7	1 9	2 4	2 3	2 4	2 5	2 0	2 2	2 5	2 4	2 6	2 5	27 4	21 7
HOME FURNISHINGS [c]	3 2	3 6	4 4	4 3	4 2	4 9	4 0	4 3	6 1	5 4	4 6	5 6	54 6	40 1
ALL OTHER [d]	0 1	+	0 1	0 2	0 2	0 1	+	0 1	0 1	0 1	0 1	0 1	1 2	0 9
SUBTOTAL	**13.7**	**15.0**	**18.9**	**17.5**	**17.2**	**16.7**	**15.3**	**16.7**	**19.5**	**18.6**	**17.8**	**19.4**	**206.3**	**171.1**
TOTAL EXPORTS	**22.7**	**23.8**	**30.7**	**27.5**	**27.0**	**26.9**	**23.6**	**26.3**	**31.9**	**28.7**	**29.1**	**32.0**	**330.2**	**298.0**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC	9 9 I	6 8 I	6 1 I	5 1 I	6 4 I	4 3 I	4 1 I	4 9 I	4 2 I	4 5 I	5 6 I	6 4 I	68 3 I	114 9 I
CLOTH	30 0 I	34 5 I	34 6 I	33 0 I	28 0 I	28 6 I	29 7 I	30 1 I	26 0 I	30 9 I	29 4 I	34 9 I	369 7 I	542 6 I
SUBTOTAL	**39.9 I**	**41.3 I**	**40.7 I**	**38.1 I**	**34.4 I**	**32.9 I**	**33.8 I**	**35.0 I**	**30.2 I**	**35.4 I**	**35.0 I**	**41.3 I**	**438.0 I**	**657.5 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	116 1 I	107 1 I	84 7 I	71 0 I	82 3 I	109 7 I	107 0 I	103 5 I	85 9 I	90 5 I	88 7 I	84 8 I	1131 3 I	1157 2 I
INDUSTRIAL	4 0 I	3 9 I	2 4 I	1 6 I	1 4 I	2 0 I	1 1 I	1 9 I	0 4 I	1 4 I	1 6 I	2 4 I	24 1 I	31 5 I
HOME FURNISHINGS	16 0 I	16 5 I	15 5 I	13 6 I	13 3 I	13 0 I	13 1 I	17 3 I	10 6 I	11 5 I	12 5 I	11 2 I	164 1 I	165 1 I
ALL OTHER	2 6 I	2 4 I	2 8 I	2 4 I	2 6 I	2 7 I	2 6 I	3 1 I	2 3 I	2 4 I	2 7 I	2 3 I	30 9 I	26 4 I
SUBTOTAL	**138.7 I**	**129.9 I**	**105.4 I**	**88.6 I**	**99.6 I**	**127.4 I**	**123.8 I**	**125.8 I**	**99.2 I**	**105.8 I**	**105.5 I**	**100.7 I**	**1350.4 I**	**1380.2 I**
TOTAL BALANCE	**178.6 I**	**171.2 I**	**146.1 I**	**126.7 I**	**134.0 I**	**160.3 I**	**157.6 I**	**160.8 I**	**129.4 I**	**141.2 I**	**140.5 I**	**142.0 I**	**1788.4 I**	**2037.7 I**

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation*

a. Includes sliver, tops, roving, plied (textured and other), spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here.

b. Includes broad & narrow woven fabrics and knit cloth. Cotton narrow fabrics are included in All Other.

c. Includes carpets and rugs, bed sheets, towels, tablecloths, etc. Lace window curtains are in All Other.

d. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with manufactured fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 5:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF WOOL MANUFACTURES

MILLION POUNDS

COMMODITY	1988 REVISED												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1988	1987
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC [a]	0.9	0.9	1.3	1.1	1.3	1.3	1.1	1.2	0.7	1.3	1.0	1.0	13.1	14.6
CLOTH [b]	2.0	2.2	3.6	3.3	3.1	3.2	2.9	2.3	1.6	1.9	1.8	2.0	29.9	29.5
SUBTOTAL	2.9	3.1	4.9	4.4	4.4	4.5	4.0	3.5	2.3	3.2	2.8	3.0	43.0	44.1
MANUFACTURED PRODUCTS														
WEARING APPAREL [c]	7.5	6.6	5.6	6.7	11.2	16.7	19.8	22.7	17.4	14.5	9.4	6.2	144.3	158.9
INDUSTRIAL	NOMINAL QUANTITIES INCLUDED IN ALL OTHER													
HOME FURNISHINGS [d]	4.0	3.5	4.0	3.6	3.4	3.7	3.0	3.2	2.7	3.4	3.4	3.3	41.2	53.1
ALL OTHER [e]	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	2.0	2.2
SUBTOTAL	11.7	10.3	9.8	10.5	14.8	20.6	23.0	26.0	20.2	18.0	12.9	9.7	187.5	214.2
TOTAL IMPORTS	14.6	13.4	14.7	14.9	19.2	25.1	27.0	29.5	22.5	21.2	15.7	12.7	230.5	258.3
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC [a]	0.8	0.8	1.2	0.9	1.0	1.6	1.8	1.2	1.7	1.3	2.5	1.7	16.5	12.7
CLOTH [b]	0.1	0.2	0.2	0.2	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.1	2.1	2.2
SUBTOTAL	0.9	1.0	1.4	1.1	1.3	1.7	1.9	1.4	1.9	1.5	2.7	1.8	18.6	14.9
MANUFACTURED PRODUCTS														
WEARING APPAREL	0.8	0.5	0.7	0.5	0.5	0.5	0.4	0.5	0.7	0.4	0.4	0.2	6.1	4.2
INDUSTRIAL	NOMINAL QUANTITIES INCLUDED IN ALL OTHER													
HOME FURNISHINGS [d]	+	+	+	+	+	+	+	0.1	+	0.1	0.1	+	0.3	0.2
ALL OTHER [f]	0.1	0.2	0.3	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.2	0.2	2.8	2.0
SUBTOTAL	0.9	0.7	1.0	0.7	0.7	0.9	0.6	0.8	1.1	0.7	0.7	0.4	9.2	6.4
TOTAL EXPORTS	1.8	1.7	2.4	1.8	2.0	2.6	2.5	2.2	3.0	2.2	3.4	2.2	27.8	21.3
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC	0.1 I	0.1 I	0.1 I	0.2 I	0.3 I	0.3 E	0.7 E	0	1.0 E	0	1.5 E	0.7 E	3.4 E	1.9 I
CLOTH	1.9 I	2.0 I	3.4 I	3.1 I	2.8 I	3.1 I	2.8 I	2.1 I	1.4 I	1.7 I	1.6 I	1.9 I	27.8 I	27.3 I
SUBTOTAL	2.0 I	2.1 I	3.5 I	3.3 I	3.1 I	2.8 I	2.1 I	2.1 I	0.4 I	1.7 I	0.1 I	1.2 I	24.4 I	29.2 I
MANUFACTURED PRODUCTS														
WEARING APPAREL	6.7 I	6.1 I	4.9 I	6.2 I	10.7 I	16.2 I	19.4 I	22.2 I	16.7 I	14.1 I	9.0 I	6.0 I	138.2 I	154.7 I
INDUSTRIAL	NOMINAL QUANTITIES INCLUDED IN ALL OTHER													
HOME FURNISHINGS	4.0 I	3.5 I	4.0 I	3.6 I	3.4 I	3.7 I	3.0 I	3.1 I	2.7 I	3.3 I	3.3 I	3.3 I	40.9 I	52.9 I
ALL OTHER	0.1 I	0	0.1 E	0	0	0.2 E	0	0.1 E	0.3 E	0.1 E	0.1 E	0	0.8 E	0.2 I
SUBTOTAL	10.8 I	9.6 I	8.8 I	9.8 I	14.1 I	19.7 I	22.4 I	25.2 I	19.1 I	17.3 I	12.2 I	9.3 I	178.3 I	207.8 I
TOTAL BALANCE	12.8 I	11.7 I	12.3 I	13.1 I	17.2 I	22.5 I	24.5 I	27.3 I	19.5 I	19.0 I	12.3 I	10.5 I	202.7 I	237.0 I

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation*

a. Includes sliver, tops, roving, plied (textured and other), spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here.

b. Includes broad & narrow woven fabrics. Wool knit fabrics are included in All Other.

c. Includes lace & lace articles, veils & veilings and nets & nettings.

d. Includes carpets and rugs.

e. Includes knit fabric in the piece, but not lace & lace articles which are in Wearing Apparel.

f. Includes such products as braids, tassels, felts and knit fabrics.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 6:
U.S. PRODUCTION OF HOSIERY, 1979 -1988
MILLION DOZEN PAIRS

ITEM	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
WOMEN'S										
PANTYHOSE - SHEER	55.3	57.3	59.6	58.5	64.0	67.1	57.9	57.3	53.7	51.9
- ELASTOMER	33.2	36.7	39.0	43.2	47.6	39.4	49.0	52.0	56.0	64.7
- OTHER[a]	2.4	2.0	2.4	3.4	5.0	7.4	7.3	8.8	10.2	8.6
SUBTOTAL PANTYHOSE	90.9	96.0	101.0	105.1	116.6	113.9	114.2	118.1	119.9	125.2
STOCKINGS - NONSTRETCH	2.4	2.0	1.8	1.5	1.5	1.3	1.2	1.3	1.6	1.2
- STRETCH	2.7	2.4	2.1	2.4	2.7	2.5	2.2	1.8	2.2	2.2
- SUPPORT	0.7	0.7	0.6	0.5	0.6	0.4	0.4	0.3	0.4	0.3
- OTHER	0.2	0.1	0.1	0.1	-	-	0.1	0.1	-	0.1
SUBTOTAL STOCKINGS	6.0	5.2	4.6	4.5	4.8	4.2	3.9	3.5	4.2	3.8
SHEER KNEE-HIGHS & ANKLETS	44.8	38.4	42.6	38.1	40.3	44.0	42.2	45.3	42.8	40.9
TOTAL WOMEN'S	141.7	139.6	148.2	147.7	161.7	162.1	160.3	166.9	166.9	169.9
MEN'S (sizes 10 and up)										
ANKLETS & FOOTSOCKS	43.7	27.9	27.8	27.1	27.2	26.8	26.0	26.6	26.9	24.1
MID-CALF	12.5	17.4	19.9	17.3	17.8	17.7	17.6	19.6	18.9	21.9
KNEE-HIGHS	16.0	17.8	20.7	17.6	21.5	23.9	23.8	21.5	18.4	21.2
TOTAL MEN'S	72.2	63.1	68.4	62.0	66.5	68.4	67.4	67.7	64.2	67.2
GIRLS', BOYS' & WOMEN'S (sizes 8 -11)										
ANKLETS	19.6	12.5	14.6	11.9	17.3	19.5	19.4	27.4	29.1	29.8
KNEE-HIGHS	22.1	24.3	29.8	23.4	25.7	20.2	17.0	13.7	11.4	11.1
MID-CALF/CREW }	NA	3.1	4.5	4.0	4.9	4.5	6.2	8.2	12.1	14.9
WAIST-HIGHS		0.3	0.5	0.5	0.5	0.5	0.6	0.5	0.7	0.7
FOOTSOCKS	6.7	8.6	9.4	6.5	5.8	5.2	6.1	6.4	5.9	4.6
TOTAL GIRLS', BOYS' & WOMEN'S	48.4	48.8	58.8	46.3	54.2	49.9	49.3	56.2	59.2	61.1
INFANTS' & CHILDREN'S (SIZES 3 - 8 1/2)										
ANKLETS	22.1	19.3	20.5	16.1	16.5	15.5	14.2	16.6	16.9	17.0
KNEE-HIGHS	8.5	6.6	7.7	6.7	7.0	5.8	4.6	3.5	3.3	3.9
MID-CALF	NA	1.3	1.2	1.4	1.4	3.6	5.7	6.7	7.9	10.8
WAIST-HIGHS & FOOTSOCKS	1.6	1.6	1.8	1.6	2.1	2.3	1.8	1.6	1.5	1.7
TOTAL INFANTS' & CHILDREN'S	32.2	28.8	31.2	25.8	27.0	27.2	26.3	28.4	29.6	33.4
TOTAL HOSIERY	294.5	280.3	306.6	281.8	309.4	307.6	303.3	319.2	319.9	331.6

SOURCE: National Association of Hosiery Manufactures - *1988 Hosiery Statistics.*

- Less than 100 thousand dozen pairs

a. Includes opaque hosiery, which is defined as hosiery knit on 370 needles or more, using leg yarn 30 denier or coarser.

TABLE 7:
U.S. MANUFACTURED FIBER IMPORTS
HARMONIZED TARIFF SCHEDULE NUMBERS

ITEM	SCHEDULE NUMBERS
ARTIFICIAL (CELLULOSIC) FIBER	
FILAMENT YARN	
HIGH TENACITY	5403103020, 5403103040 & 5403106000
TEXTURED	5403203000 & 5403206000
OTHER	5403310020 - 5403390040 & 5403410000 - 5403490000
MONOFILAMENTS & STRIPS	5405003000 & 5405006000
STAPLE	5504100000 & 5504900000
TOW	5502000000
TOPS	5507000000
WASTE	**5505200000**
SYNTHETIC (NONCELLULOSIC) FIBERS	
FILAMENT YARN	
NYLON	
HIGH TENACITY	5402103020, 5402103040 & 5402106000
TEXTURED	
UP TO 450 DENIER	5402313000 & 5402316000
OVER 450 DENIER	5402323000 & 5402326000
OTHER	5402410020, 5402410040, 5402510000 & 5402610000
MONOFILAMENTS & STRIPS	5404102020
POLYESTER	
HIGH TENACITY	5402203020, 5402203040 & 5402206000
TEXTURED	5402333000 & 5402336000
POY	5402420000
OTHER	5402430020, 5402430040, 5402520000 & 5402620000
MONOFILAMENTS & STRIPS	5404102040
OTHER SYNTHETIC FILAMENT	
TEXTURED	5402393000, 5402393010, 5402393090, 5402396000, 5402396010 & 5402396090
OTHER	5402490010, 5402490030, 5402490060, 5402490080, 5402590000 & 5402690000
MONOFILAMENTS & STRIPS	5404101000, 5404102090 & 5404900000
STAPLE	
NYLON	5503100000
POLYESTER	5503200000
ACRYLIC	5503300000
POLYPROPYLENE	5503400000
OTHER	5503900000
TOW	
NYLON	5501100000
POLYESTER	5501200000
ACRYLIC	5501300000
OTHER	5501900000
TOPS	5506100000, 5506200000, 5506300000, 5506900000
WASTE	
NYLON	5505100020
POLYESTER	5505100040
OTHER	5505100060
OTHER MFRD. FIBER YARN & THREAD	
SEWING THREAD	
FILAMENT	5401100000 & 5401200000
SPUN YARN	5508100000 & 5508200000
SPUN YARNS	
SYNTHETIC	5509110000, 5509210000, 5509513000, 5509310000, 5509410000, 5509692000, 5509992000, 5509120000, 5509220010, 5509220090, 5509516000, 5509320000, 5509420000, 5509694000, 5509994000, 5509520000, 5509530030, 5509530060, 5509590000, 5509610000, 5509620000, 5509696000, 5509910000, 5509920000 & 5509996000
ARTIFICIAL	5510110000, 5510902000, 5510120000, 5510904000, 5510200000, 5510300000 & 5510906000
PUT UP FOR RETAIL SALE	5406200000, 5511100030, 5511100060, 5511200000, 5406100020, 5406100040, 5406100090 & 5511300000

SOURCE: U.S. Census Bureau Report IM145X

TABLE 8:
U.S. MANUFACTURED FIBER EXPORTS
HARMONIZED TARIFF SCHEDULE NUMBERS

ITEM	SCHEDULE NUMBERS
ARTIFICIAL (CELLULOSIC) FIBER	
FILAMENT YARN	
HIGH TENACITY	5403100000, 5403103020, 5403103040 & 5403106000
TEXTURED	5403200000, 5403203000 & 5403206000
OTHER	5403310000 - 5403390040 & 5403410000 - 5403490000
MONOFILAMENTS & STRIPS	5405003000 & 5405006000
STAPLE	5504100000 & 5504900000
TOPS	5507000000
WASTE	**5505200000**
SYNTHETIC (NONCELLULOSIC) FIBERS	
FILAMENT YARN	
NYLON	
HIGH TENACITY	5402100000, 5402103020, 5402103040 & 5402106000
TEXTURED	
UP TO 450 DENIER	5402310000, 5402313000 & 5402316000
OVER 450 DENIER	5402320000, 5402322000 & 5402326000
OTHER	5402410020, 5402410030, 5402410040, 5402410060, 5402510000 & 5402610000
MONOFILAMENTS & STRIPS	5404102020
POLYESTER	
HIGH TENACITY	5402200000, 5402203020, 5402203040 & 5402206000
TEXTURED	5402330000, 5402333000 & 5402336000
POY	5402420000
OTHER	5402430020, 5402430030, 5402430040, 5402430060, 540252000 & 5402620000
MONOFILAMENTS & STRIPS	5404102040
OTHER SYNTHETIC FILAMENT	
TEXTURED	5402390000, 5402393000, 5402393010, 5402393090, 5402396000, 5402396010 & 5402396090
OTHER	5402490010, 5402490030, 5402490060, 5402490080, 5402494000, 540259000 & 540269000
MONOFILAMENTS & STRIPS	5404101000, 5404102090 & 5404900000
STAPLE	
NYLON	5503100000
POLYESTER	5503200000
ACRYLIC	5503300000
POLYPROPYLENE	5503400000
OTHER	5503900000
TOW	
NYLON	5501100000
POLYESTER	5501200000
ACRYLIC	5501300000
OTHER	5501900000
TOPS	5506100000, 5506200000, 5506300000, 5506900000
WASTE	
NYLON	5505100020
POLYESTER	5505100040
OTHER	5505100060
OTHER MFRD. FIBER YARN & THREAD	
SEWING THREAD	
FILAMENT	5401100000 & 5401200000
SPUN YARN	5508100000 & 5508200000
SPUN YARNS	
SYNTHETIC	5509110000, 5509210000, 5509510000, 5509513000, 5509310000, 5509410000, 5509690000, 5509692000, 5509990000, 5509992000, 5509120000, 5509220000, 5509220010, 5509220090, 5509516000, 5509520000, 5509530000, 5509530030, 5509530060, 5509590000, 5509610000, 5509620000, 5509696000, 5509910000, 5509920000 & 5509996000
ARTIFICIAL	5510110000, 5510900000, 5510902000, 5510120000, 5510904000, 5510200000, 5510300000, 5510906000 & 5511300000
PUT UP FOR RETAIL SALE	5406200000, 5511100000, 5511100030, 5511100060, 5511200000, 5406100020, 5406100040 & 5406100090

SOURCE: U.S. Census Bureau Report EM522

TABLE 9:
U.S. MANUFACTURED FIBER IMPORTS
THOUSAND POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	114	266	408	205	111	192							1296	
TEXTURED	180	1	0	24	0	27							232	
OTHER	1726	1532	1671	1449	1732	1673							9783	
MONOFILAMENTS & STRIPS	96	40	120	150	73	38							517	
SUBTOTAL ABOVE	**2116**	**1839**	**2199**	**1828**	**1916**	**1930**							**11828**	**8055**
STAPLE	5924	3481	5624	4403	5312	3419							28163	
TOW	47	0	0	7	103	0							157	
TOPS	6	10	20	10	5	0							51	
SUBTOTAL ABOVE	**5977**	**3491**	**5644**	**4420**	**5420**	**3419**							**28371**	**7423**
WASTE	**18**	**122**	**47**	**213**	**0**	**0**							**400**	**5**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1037	1093	1506	1578	1829	1964							9007	
TEXTURED														
UP TO 450 DENIER	385	217	359	285	319	315							1880	
OVER 450 DENIER	1311	1054	1428	1294	1241	654							6982	
OTHER	3820	3306	3786	3845	4296	5210							24263	
MONOFILAMENTS & STRIPS	72	159	58	113	143	116							661	
SUBTOTAL ABOVE	**6625**	**5829**	**7137**	**7115**	**7828**	**8259**							**42793**	**18981**
POLYESTER														
HIGH TENACITY	957	880	909	488	797	703							4734	
TEXTURED	883	1673	1738	1766	1775	2385							10220	
POY	0	40	642	1088	2744	3214							7728	
OTHER	1152	1481	1719	1740	1324	1567							8983	
MONOFILAMENTS & STRIPS	65	80	34	55	24	70							328	
SUBTOTAL ABOVE	**3057**	**4154**	**5042**	**5137**	**6664**	**7939**							**31993**	**17938**
OTHER SYNTHETIC FILAMENT														
TEXTURED	2057	1685	1552	1054	2074	1555							9977	
OTHER	261	386	339	274	171	136							1567	
MONOFILAMENTS & STRIPS	147	299	309	324	395	357							1830	
SUBTOTAL ABOVE	**2465**	**2370**	**2199**	**1652**	**2640**	**2048**							**13374**	**21035**
STAPLE														
NYLON	1726	1896	1845	1592	1422	1273							9754	
POLYESTER	5584	5594	10047	10627	10327	8674							50853	
ACRYLIC	1934	1028	1576	1518	1206	1511							8773	
POLYPROPYLENE	44	55	197	351	93	220							960	
OTHER	172	1040	651	740	167	165							2935	
TOW														
NYLON	237	433	257	504	341	315							2087	
POLYESTER	47	78	131	49	140	114							559	
ACRYLIC	2023	1709	1127	2522	2868	1462							11711	
OTHER	117	120	146	0	0	14							397	
TOPS	488	358	398	437	334	201							2216	
SUBTOTAL ABOVE	**12372**	**12311**	**16375**	**18340**	**16898**	**13949**							**90245**	**97053**
WASTE														
NYLON	1971	1804	1754	2087	1949	2027							11592	
POLYESTER	999	340	730	1029	846	973							4917	
OTHER	396	725	477	486	547	389							3020	
TOTAL MANUFACTURED FIBERS ABOVE	**35996**	**32985**	**41604**	**42307**	**44708**	**40933**							**238533**	**192917**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	229	84	46	26	74	73							532	
SPUN YARN	492	396	370	287	418	406							2369	
SPUN YARNS														
SYNTHETIC	517	686	517	258	677	1019							3674	
ARTIFICIAL	0	0	0	0	0	0							0	
PUT UP FOR RETAIL SALE	71	50	27	37	74	39							298	
GRAND TOTAL ABOVE	**37305**	**34201**	**42564**	**42915**	**45951**	**42470**							**245406**	**239622**

SOURCE: U.S. Census Bureau Report IM145X

Effective January 1, 1989 the U.S. Imports are based on the new Harmonized System (HS). On pages 73 through 79 of the ***Fiber Organon*** April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering cellulosic (artificial) and noncellulosic (synthetic) fibers. Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

U.S. Monthly Imports of Manufactured Fibers for 1988, are published in the ***Textile Organon*** February 1989 issue, on page 32.

TABLE 10:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	9	13	45	26	30	16							139	
TEXTURED	463	17	29	1	29	28							567	
OTHER	694	63	18	60	21	15							871	
MONOFILAMENTS & STRIPS	90	0	7	93	5	9							204	
SUBTOTAL ABOVE	**1256**	**93**	**99**	**180**	**85**	**68**							1781	6337
STAPLE	2827	1786	1325	920	1659	1786							10303	
TOPS	94	0	8	129	53	48							332	
SUBTOTAL ABOVE	**2921**	**1786**	**1333**	**1049**	**1712**	**1834**							10635	12064
WASTE	**1303**	**559**	**1587**	**1116**	**1635**	**1108**							7308	983
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	9331	9410	7884	16614	6326	6999							56564	
TEXTURED														
UP TO 450 DENIER	522	586	719	666	819	1271							4583	
OVER 450 DENIER	4706	5051	5459	4430	4096	3626							27368	
OTHER	2038	2103	2133	2188	2571	2003							13036	
MONOFILAMENTS & STRIPS	239	258	187	131	204	303							1322	
SUBTOTAL ABOVE	**16836**	**17408**	**16382**	**24029**	**14016**	**14202**							102873	79481
POLYESTER														
HIGH TENACITY	3031	3122	2773	3282	4214	4080							20502	
TEXTURED	3651	3677	2385	2939	3208	3577							19437	
POY	939	1250	2204	1446	629	528							6996	
OTHER	1007	564	829	983	777	1186							5366	
MONOFILAMENTS & STRIPS	208	213	203	132	302	332							1390	
SUBTOTAL ABOVE	**8836**	**8846**	**8394**	**8782**	**9130**	**9703**							53691	41720
OTHER SYNTHETIC FILAMENT														
TEXTURED	1033	457	872	903	992	634							4891	
OTHER	1342	1471	1735	1730	1559	1332							9169	
MONOFILAMENTS & STRIPS	486	421	771	1317	927	987							4909	
SUBTOTAL ABOVE	**2861**	**2349**	**3378**	**3950**	**3478**	**2953**							18969	23153
STAPLE														
NYLON	2605	3265	3262	2629	3280	3985							19026	
POLYESTER	14048	10762	12940	12923	10675	7497							68845	
ACRYLIC	3326	5674	6643	6896	5342	9369							38250	
POLYPROPYLENE	1336	1569	1129	2264	2714	2477							11489	
OTHER	836	2036	1489	2562	1734	1757							10414	
TOW														
NYLON	31	50	50	108	141	86							466	
POLYESTER	37	564	472	634	7	621							2335	
ACRYLIC	1037	1761	2185	3302	1467	829							10581	
OTHER	161	16	34	503	9	7							730	
TOPS	847	964	1224	2191	3032	1230							9648	
SUBTOTAL ABOVE	**24264**	**26661**	**29428**	**34012**	**29461**	**27858**							171684	200205
WASTE														
NYLON	2127	2118	2159	2863	2102	2007							13376	
POLYESTER	4369	3980	3189	5535	3685	2726							23484	
OTHER	5113	6957	8080	6731	7071	5876							39828	
TOTAL MANUFACTURED FIBERS ABOVE	**69886**	**70757**	**74029**	**88267**	**72375**	**68335**							443649	427046
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	13	51	43	74	9	93							283	
SPUN YARN	0	0	0	0	0	0							0	
SPUN YARNS														
SYNTHETIC	732	959	1152	1172	1944	1089							7048	
ARTIFICIAL	0	0	0	0	0	0							0	
PUT UP FOR RETAIL SALE	606	740	923	580	532	435							3816	
GRAND TOTAL ABOVE	**71237**	**72507**	**76147**	**90093**	**74860**	**69952**							454796	

SOURCE: U.S. Census Bureau Report EM522

Effective January 1,1989 the U.S. Exports are based on the new Harmonized System (HS). On pages 73 through 79 of the ***Fiber Organon*** April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering cellulosic (artificial) and noncellulosic (synthetic) fibers Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

U.S. Monthly Exports of Manufactured Fibers for 1988, are published in the ***Textile Organon***, February 1989 issue, on page 33.

TABLE 11:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	0	0	6	1	4	0							11	
BRAZIL	53	110	55	0	54	76							348	
CANADA	745	619	686	613	656	532							3851	
GERMANY, FED. REP. OF	784	515	697	452	436	362							3246	
JAPAN	55	121	122	185	110	206							799	
MEXICO	156	99	171	45	153	144							768	
NETHERLANDS	61	239	261	173	204	380							1318	
UNITED KINGDOM	75	68	113	135	75	66							532	
ALL OTHER COUNTRIES [a]	187	68	88	224	224	164							955	
TOTAL ARTIFICIAL YARN	**2116**	**1839**	**2199**	**1828**	**1916**	**1930**							**11828**	**8055**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	323	422	377	226	381	430							2159	
CANADA	4757	1990	4093	3462	3409	2370							20081	
GERMANY, FED. REP. OF	68	67	95	116	124	142							612	
JAPAN	150	521	422	263	107	60							1523	
UNITED KINGDOM	265	225	1	47	69	42							649	
ALL OTHER COUNTRIES [b]	414	266	656	306	1330	375							3347	
TOTAL ARTIFICIAL STAPLE+TOW	**5977**	**3491**	**5644**	**4420**	**5420**	**3419**							**28371**	**7423**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	0	56	115	171	343	236							921	
BRAZIL	106	63	170	30	140	201							710	
CANADA	3437	2926	2869	2399	3327	3304							18362	
COSTA RICA	252	487	591	433	415	517							2695	
ECUADOR	91	26	144	0	58	23							342	
FRANCE	1180	1151	1079	1159	1159	1085							6813	
GERMANY, FED. REP. OF	2231	2204	2641	2514	2357	3691							15638	
IRELAND	0	32	1	0	0	0							33	
ISRAEL	299	217	172	149	285	244							1366	
ITALY	924	323	873	859	1031	132							4142	
JAPAN	469	610	568	609	548	502							3306	
KOREA, REP. OF	10	49	7	81	98	42							287	
MEXICO	1447	2222	2385	1857	2527	2911							13349	
NETHERLANDS	68	193	267	338	69	63							998	
SINGAPORE	0	25	0	33	0	33							91	
TAIWAN	50	175	650	1296	2844	3217							8232	
THAILAND	65	64	69	67	63	171							499	
UNITED KINGDOM	1482	1357	1409	1649	1790	1506							9193	
ALL OTHER COUNTRIES [c]	36	173	266	260	78	368							1181	
TOTAL SYNTHETIC YARN	**12147**	**12353**	**14376**	**13904**	**17132**	**18246**							**88158**	**57954**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	0	3	9	13	1	0							26	
AUSTRALIA	31	160	1	82	16	43							333	
BELGIUM	47	99	60	56	67	7							336	
BRAZIL	0	24	0	0	0	0							24	
CANADA	1413	737	1481	1489	1292	874							7286	
FRANCE	230	304	253	405	388	336							1916	
GERMANY, FED. REP. OF	1585	1758	1318	1293	1491	1780							9625	
INDIA	0	0	3772	3400	709	49							7930	
IRELAND	280	480	305	348	0	36							1449	
ITALY	482	394	206	46	61	34							1223	
JAPAN	1773	1757	2303	2770	2429	1826							12858	
KOREA, REP. OF	2297	3387	3933	4165	5687	4876							24345	
MEXICO	1049	372	420	1016	783	462							4102	
NETHERLANDS	31	103	99	81	56	105							475	
SWITZERLAND	146	165	134	166	125	42							778	
TAIWAN	262	235	215	808	917	2057							4494	
UNITED KINGDOM	2318	2304	1643	2107	2671	1229							12272	
ALL OTHER COUNTRIES [d]	28	29	223	95	205	193							773	
TOTAL SYNTHETIC STAPLE+TOW	**12372**	**12311**	**16375**	**18340**	**16898**	**13949**							**90245**	**97053**

a. Ireland 281, Chile 176, Korea, Rep. of 166, Italy 80, Taiwan 62, China, PRC 51, France 43, Greece 41, Norway 32, Singapore 23.
b. China, PRC 1225, Taiwan 464, Germany, Dem. Rep. 300, Switzerland 219, Australia 217, Korea, Rep. of 171, Poland 152, Romania 135, France 117, Sweden 76, Belgium 73, Italy 64, Finland 57, Spain 47, India 18, Thailand 11, Mexico 1.
c. Portugal 304, Egypt 258, Argentina 125, Turkey 115, Austria 89, Australia 49, Switzerland 43, Spain 34, Peru 34, El Salvador 31, Morocco 26, Hong Kong 24, Honduras 20, Sweden 10, Colombia 9, Denmark 8, Greece 2.
d. Spain 418, Turkey 166, Israel 142, Germany, Dem. Rep. 42, Hong Kong 3, China, PRC 2.

Effective January 1,1989 the U.S. Manufactured Imports for Consumption by Country of Origin are based on the new Harmonized System (HS). On pages 73 through 79 of the ***Fiber Organon***, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering cellulosic (artificial) and noncellulosic (synthetic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

Selected U.S. Manufactured Imports for Consumption by Country of Origin for 1988 are published in the ***Textile Organon***, February 1989 issue, page 31.

TABLE 12:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1989	1988
MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]														
ARTIFICIAL (CELLULOSIC)														
YARN	17.3	17.1	18.4	21.5	18.3	18.4	18.9						129.9	124.4
RAYON STAPLE	34.5	32.1	36.5	31.4	34.8	30.9	24.8						225.0	244.2
TOTAL ARTIFICIAL (CELLULOSIC)	**51.8**	**49.2**	**54.9**	**52.9**	**53.1**	**49.3**	**43.7**						**354.9**	**368.6**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	31.3	30.5	32.6	32.3	28.9	32.7	29.0						217.3	222.2
- CARPET	74.9	77.2	82.0	77.5	86.1	78.5	73.4						549.6	553.5
- TEXTILE [f]	33.9	33.2	35.0	34.6	33.8	34.2	31.9						236.5	219.0
POLYESTER - INDUSTRIAL[d]	28.6	29.7	30.9	32.2	30.4	32.8	30.7						215.3	208.8
- TEXTILE[f]	73.2	71.2	74.4	78.2	77.0	66.1	73.2						513.3	485.9
OLEFIN[e]	105.3	104.3	103.6	104.1	107.8	101.0	97.6						723.7	698.4
TOTAL YARN	**347.2**	**346.1**	**358.5**	**358.9**	**364.0**	**345.3**	**335.7**						**2455.7**	**2387.8**
STAPLE+TOW+FIBERFILL														
NYLON	82.3	78.4	88.8	76.4	81.3	78.3	74.9						560.4	546.9
ACRYLIC+MODACRYLIC	41.7	46.2	48.6	49.2	51.7	44.0	41.1						322.5	337.2
POLYESTER	205.8	192.1	212.4	214.3	208.1	193.9	179.1						1405.7	1380.6
OLEFIN	31.1	31.6	32.0	31.4	32.3	33.5	27.8						219.7	209.7
TOTAL STAPLE	**360.9**	**348.3**	**381.8**	**371.3**	**373.4**	**349.7**	**322.9**						**2508.3**	**2474.4**
TOTAL SYNTHETIC (NONCELLULOSIC)	**708.1**	**694.4**	**740.3**	**730.2**	**737.4**	**695.0**	**658.6**						**4964.0**	**4862.2**
TOTAL MANUFACTURED FIBER	**759.9**	**743.6**	**795.2**	**783.1**	**790.5**	**744.3**	**702.3**						**5318.9**	**5230.8**
MANUFACTURED FIBER END-OF-MONTH STOCK														
ARTIFICIAL (CELLULOSIC)														
YARN	11.7	10.9	11.3	10.4	9.7	8.9	11.0						11.0	13.4
RAYON STAPLE	13.0	13.2	11.7	12.5	13.4	15.8	16.8						16.8	15.5
TOTAL ARTIFICIAL (CELLULOSIC)	**24.7**	**24.1**	**23.0**	**22.9**	**23.1**	**24.7**	**27.8**						**27.8**	**28.9**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	24.4	24.8	22.4	22.9	24.2	24.5	26.7						26.7	28.1
- CARPET	63.5	63.2	62.8	68.7	64.0	66.8	73.6						73.6	78.0
- TEXTILE[f]	47.1	48.3	46.4	47.0	47.4	49.2	52.7						52.7	55.3
POLYESTER - INDUSTRIAL[d]	35.0	31.4	30.6	31.6	30.9	31.9	33.9						33.9	33.3
- TEXTILE[f]	73.5	76.9	81.8	85.1	85.0	89.1	99.7						99.7	94.4
OLEFIN[e]	53.1	53.8	58.0	57.8	58.5	60.7	61.1						61.1	55.3
TOTAL YARN	**296.6**	**298.4**	**302.0**	**313.1**	**310.0**	**322.2**	**347.7**						**347.7**	**344.4**
STAPLE+TOW+FIBERFILL														
NYLON	51.8	52.9	51.0	57.5	57.5	57.0	59.1						59.1	66.5
ACRYLIC+MODACRYLIC	70.5	68.3	69.0	67.3	65.2	69.7	71.7						71.7	72.8
POLYESTER	163.5	163.8	158.5	164.4	176.2	191.0	226.5						226.5	205.7
OLEFIN	31.0	31.3	32.8	34.3	35.2	33.3	34.2						34.2	38.5
TOTAL STAPLE	**316.8**	**316.3**	**311.3**	**323.5**	**334.1**	**351.0**	**391.5**						**391.5**	**383.5**
TOTAL SYNTHETIC (NONCELLULOSIC)	**613.4**	**614.7**	**613.3**	**636.6**	**644.1**	**673.2**	**739.2**						**739.2**	**727.9**
TOTAL MANUFACTURED FIBER	**638.1**	**638.8**	**636.3**	**659.5**	**667.2**	**697.9**	**767.0**						**767.0**	**756.8**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.1	12.8	14.1	11.5	12.3								62.8	61.5
CARPET CLASS WOOL	0.8	1.4	1.5	1.6	1.6								6.9	7.3
TOTAL RAW WOOL	**12.9**	**14.2**	**15.6**	**13.1**	**13.9**								**69.7**	**68.8**
RAW COTTON	289.5	301.0	339.2	305.7	359.7	348.8							1943.9	1828.7

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.

TABLE 13:
QUARTERLY MANUFACTURED FIBER DATA

MILLION POUNDS

ITEM	1987					1988					1989				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS									
CELLULOSIC YARN [d]															
PRODUCTION	46.2	46.7	45.2	53.0	191.1	49.1	54.4	54.9	55.5	213.9	52.7	55.8			
SHIPMENTS - DOMESTIC	39.2	43.6	40.2	43.8	166.8	41.4	47.3	45.8	48.1	182.6	46.0	50.3			
- EXPORT	5.0	5.9	6.1	7.9	24.9	8.7	7.9	10.0	7.5	34.1	6.8	7.9			
TOTAL SHIPMENTS	44.2	49.5	46.3	51.7	191.7	50.1	55.2	55.8	55.6	216.7	52.8	58.2			
ENDING STOCK	16.8	14.0	12.9	14.2		13.2	12.4	11.5	11.4		11.3	8.9			
IMPORTS	3.0	2.5	2.7	4.4	12.6	4.0	4.0	4.4	5.2	17.6	6.2	5.7			
TOTAL AVAILABLE	42.2	46.1	42.9	48.2	179.4	45.4	51.3	50.2	53.3	200.2	52.2	56.0			
NYLON															
PRODUCTION	414.1	427.5	432.9	422.7	1697.2	431.7	440.0	428.8	427.0	1727.5	436.8	447.5			
SHIPMENTS - DOMESTIC	389.3	394.8	405.8	364.4	1554.3	387.8	395.4	391.1	398.1	1572.4	387.9	399.7			
- EXPORT	32.1	37.9	33.7	35.8	139.5	39.6	38.1	41.5	46.8	166.0	42.6	38.9			
TOTAL SHIPMENTS	421.4	432.7	439.5	400.2	1693.8	427.4	433.5	432.6	444.9	1738.4	430.5	438.6			
ENDING STOCK	125.5	120.3	113.7	136.2		140.5	147.0	143.2	125.3		131.6	140.5			
OLEFIN [e]															
PRODUCTION	255.8	283.9	287.4	306.7	1133.8	301.6	308.9	291.7	302.0	1204.2	318.1	324.5			
SHIPMENTS - DOMESTIC	261.5	281.8	287.5	304.7	1135.5	298.3	302.5	287.7	295.6	1184.1	308.0	315.5			
- EXPORT	2.7	1.7	1.8	2.1	8.3	2.7	5.9	6.0	5.2	19.8	5.2	6.3			
TOTAL SHIPMENTS	264.2	283.5	289.3	306.8	1143.8	301.0	308.4	293.7	300.8	1203.9	313.2	321.8			
ENDING STOCK	54.5	54.9	53.0	52.9		53.5	54.0	52.0	53.2		58.0	60.7			
POLYESTER															
PRODUCTION	287.7	303.3	293.9	293.8	1178.7	284.5	313.5	304.6	326.1	1228.7	314.4	325.3			
SHIPMENTS - DOMESTIC	266.8	285.2	280.8	280.6	1113.4	266.7	291.9	278.2	320.6	1157.4	292.0	303.6			
- EXPORT	16.4	18.4	15.8	16.3	66.9	18.8	17.8	16.7	21.4	74.7	15.9	13.1			
TOTAL SHIPMENTS	283.2	303.6	296.6	296.9	1180.3	285.5	309.7	294.9	342.0	1232.1	307.9	316.7			
ENDING STOCK	115.4	115.1	112.4	109.3		108.3	112.1	121.8	105.9		112.4	121.0			
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	957.6	1014.7	1014.2	1023.2	4009.7	1017.8	1062.4	1025.1	1055.1	4160.4	1069.3	1097.3			
SHIPMENTS - DOMESTIC	917.6	961.8	974.1	949.7	3803.2	952.8	989.8	957.0	1014.3	3913.9	987.9	1018.8			
- EXPORT	51.2	58.0	51.3	54.2	214.7	61.1	61.8	64.2	73.4	260.5	63.7	58.3			
SHIPMENTS	968.8	1019.8	1025.4	1003.9	4017.9	1013.9	1051.6	1021.2	1087.7	4174.4	1051.6	1077.1			
ENDING STOCK	295.4	290.3	279.1	298.4		302.3	313.1	317.0	284.4		302.0	322.2			
DOMESTIC SHIPMENTS	917.6	961.8	974.1	949.7	3803.2	952.8	989.8	957.0	1014.3	3913.9	987.9	1018.8			
IMPORTS -TEXTURED YARN [b]	19.3	15.1	17.2	16.9	68.5	15.7	14.7	16.1	14.1	60.6	14.3	14.7			
-OTHER YARN [b]	13.3	12.4	11.9	11.3	48.9	11.2	11.1	11.9	13.4	47.6	23.4	33.0			
-MONOFILAMENTS	0.8	0.9	1.0	1.1	3.8	1.8	2.3	2.0	2.0	8.1	1.2	1.6			
TOTAL IMPORTS	33.4	28.4	30.1	29.3	121.2	28.7	28.1	30.0	29.5	116.3	38.9	49.3			
TOTAL AVAILABLE	951.0	990.2	1004.2	979.0	3924.4	981.5	1017.9	987.0	1043.8	4030.2	1026.8	1068.1			
						GLASS FIBER									
TOTAL SHIPMENTS	366.1	392.5	383.3	371.2	1513.1	386.4	415.2	405.9	380.2	1587.7	394.2	407.3			
IMPORTS	4.9	5.6	11.3	7.6	29.4	5.6	7.1	6.5	7.0	26.2	0.7	1.2			

FOOTNOTES FOR TABLE ABOVE & OPPOSITE:

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Also include film fiber as well as spunbonded polypropylene.

b. Includes singles and plied.

c. For 1987-1988, these figures are composites of the nylon, acrylic+modacrylic and polyester staple imports, i.e., Commodity Numbers 309.4331, 4351, 4336 & 4361. For 1989, Harmonized Tariff Schedule numbers, please see pages 73-79 of the April 1989 ***Fiber Organon***.

d. Includes both rayon & acetate yarn.

e. For 1987-1988, these figures are composites of olefin and other staple imports, i.e., Commodity Numbers 309.4371, 4341 & 4390. For 1989, Harmonized Tariff Schedule numbers, please see pages 73-79 of the April 1989 ***Fiber Organon***.

f. 1987-1989 data exclude Vinyon.

TABLE 13:
QUARTERLY MANUFACTURED FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1987					1988					1989				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	101.3	100.5	103.6	108.4	413.8	106.6	101.2	99.4	92.6	399.8	100.8	101.2			
SHIPMENTS - DOMESTIC	91.8	91.0	97.9	102.4	383.1	101.9	102.0	94.0	88.1	386.0	99.7	91.7			
- EXPORT	8.1	8.2	12.6	3.5	32.4	5.1	6.1	5.5	3.8	20.5	3.4	5.4			
TOTAL SHIPMENTS	99.9	99.2	110.5	105.9	415.5	107.0	108.1	99.5	91.9	406.5	103.1	97.1			
ENDING STOCK	23.8	25.1	18.2	20.7		20.3	13.4	13.3	14.0		11.7	15.8			
DOMESTIC SHIPMENTS	91.8	91.0	97.9	102.4	383.1	101.9	102.0	94.0	88.1	386.0	99.7	91.7			
IMPORTS FOR CONSUMPTION															
STAPLE	3.9	3.8	2.6	2.7	13.0	3.2	3.8	5.5	6.5	19.0	} 15.1	13.3			
GROUPED FILAMENTS	0.2	0.1	0.4	0.2	0.9	0.2	0.3	0.5	0.4	1.4					
TOTAL IMPORTS	4.1	3.9	3.0	2.9	13.9	3.4	4.1	6.0	6.9	20.4	15.1	13.3			
TOTAL AVAILABLE	95.9	94.9	100.9	105.3	397.0	105.3	106.1	100.0	95.0	406.4	114.8	105.0			
NYLON															
PRODUCTION	247.4	261.0	252.8	231.2	992.4	231.5	235.9	226.6	247.7	941.7	253.0	242.0			
SHIPMENTS-DOMESTIC	246.2	253.2	246.2	220.4	966.0	239.4	223.9	241.6	240.0	944.9	242.0	231.2			
-EXPORT	5.3	5.0	3.7	5.5	19.5	4.3	4.3	4.9	5.5	19.0	7.5	4.8			
TOTAL SHIPMENTS	251.5	258.2	249.9	225.9	985.5	243.7	228.2	246.5	245.5	963.9	249.5	236.0			
ENDING STOCK	58.7	61.5	64.4	69.7		57.5	65.2	45.3	47.5		51.0	57.0			
IMPORTS	14.8	8.7	8.6	6.9	39.0	4.9	5.1	5.4	6.5	21.9	6.2	5.4			
TOTAL AVAILABLE	261.0	261.9	254.8	227.3	1005.0	244.3	229.0	247.0	246.5	966.8	248.2	236.6			
ACRYLIC+MODACRYLIC															
PRODUCTION	155.7	159.0	135.3	141.5	591.5	148.8	150.9	141.5	146.9	588.1	144.3	145.6			
SHIPMENTS-DOMESTIC	139.4	131.6	112.8	95.5	479.3	109.0	109.3	107.3	95.5	421.1	112.9	112.4			
-EXPORT	14.7	17.0	32.0	51.4	115.1	47.7	29.1	39.8	52.5	169.1	23.6	32.5			
TOTAL SHIPMENTS	154.1	148.6	144.8	146.9	594.4	156.7	138.4	147.1	148.0	590.2	136.5	144.9			
ENDING STOCK	67.8	78.2	68.7	63.3		55.4	67.9	62.3	61.2		69.0	69.7			
IMPORTS	3.3	4.1	4.6	3.7	15.7	3.3	4.4	3.3	4.3	15.3	9.4	11.1			
TOTAL AVAILABLE	142.7	135.7	117.4	99.2	495.0	112.3	113.7	110.6	99.8	436.4	122.3	123.5			
OLEFIN+VINYON [1]															
PRODUCTION	85.5	92.3	92.1	90.6	360.5	94.3	94.5	85.9	89.3	364.0	97.2	97.7			
SHIPMENTS-DOMESTIC	81.1	85.7	86.1	88.2	341.1	83.8	87.6	84.8	88.0	344.2	91.6	93.5			
-EXPORT	6.9	5.7	5.4	4.8	22.8	5.6	5.8	4.4	3.8	19.6	3.1	3.7			
TOTAL SHIPMENTS	88.0	91.4	91.5	93.0	363.9	89.4	93.4	89.2	91.8	363.8	94.7	97.2			
ENDING STOCK	31.0	31.9	32.5	30.1		35.0	36.1	32.8	30.3		32.8	33.3			
POLYESTER															
PRODUCTION	581.0	596.2	578.4	606.2	2361.8	587.4	619.5	604.3	640.6	2451.8	609.3	648.8			
SHIPMENTS-DOMESTIC	534.4	549.9	537.5	579.2	2201.0	558.3	572.5	551.2	629.8	2311.8	575.3	594.6			
-EXPORT	48.2	47.0	38.3	34.7	168.2	27.8	31.1	38.2	40.0	137.1	34.9	21.7			
TOTAL SHIPMENTS	582.6	596.9	575.8	613.9	2369.2	586.1	603.6	589.4	669.8	2448.9	610.2	616.3			
ENDING STOCK	162.3	161.6	164.2	156.5		157.8	173.7	188.6	159.4		158.5	191.0			
IMPORTS	15.5	17.4	23.4	14.4	70.7	15.0	20.7	22.3	15.2	73.2	21.5	29.9			
TOTAL AVAILABLE	549.9	567.3	560.9	593.6	2271.7	573.3	593.2	573.5	645.0	2385.0	596.8	624.5			
TOTAL NONCELLULOSIC															
PRODUCTION	1069.6	1108.5	1058.6	1069.5	4306.2	1062.0	1100.8	1058.3	1124.5	4345.6	1103.8	1134.1			
SHIPMENTS-DOMESTIC	1001.1	1020.4	982.6	983.3	3987.4	990.5	993.3	984.9	1053.3	4022.0	1021.8	1031.7			
-EXPORT	75.1	74.7	79.4	96.4	325.6	85.4	70.3	87.3	101.8	344.8	69.1	62.7			
TOTAL SHIPMENTS	1076.2	1095.1	1062.0	1079.7	4313.0	1075.9	1063.6	1072.2	1155.1	4366.8	1090.9	1094.4			
ENDING STOCK	319.8	333.2	329.8	319.6		305.7	342.9	329.0	298.4		311.3	351.0			
DOMESTIC SHIPMENTS	1001.1	1020.4	982.6	983.3	3987.4	990.5	933.3	984.9	1053.3	4022.0	1021.8	1031.7			
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE [C]	33.6	30.2	36.6	25.0	125.4	23.2	30.2	31.0	26.0	110.4	37.1	46.4			
OTHER N.C. STAPLE [6]	2.8	3.6	3.7	3.4	13.5	5.6	5.7	4.3	4.2	19.8	} 4.0	2.8			
GROUPED FILAMENTS	12.4	12.4	12.1	13.1	50.0	14.5	17.8	15.7	17.8	65.8					
TOTAL IMPORTS	48.8	46.2	52.4	41.5	188.9	43.3	53.7	51.0	48.0	196.0	41.1	49.2			
TOTAL AVAILABLE	1049.9	1066.6	1035.0	1024.8	4176.3	1033.8	1047.0	1035.9	1101.3	4218.0	1062.9	1080.9			

See footnotes on opposite page

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Manufactured
FIBER REVIEW
A Monthly Summary of Fiber Production Information
Formerly The Man-Made Fiber Review

Vol. 8, No. 4 April 1989

HIGHLIGHTS

In March production of noncellulosic fiber (except aramid, saran and spandex) totaled 733.9 million pounds, 6.7% above the 687.9 million pounds produced in February. Filament yarn production rosel 3.3% to 351.1 million pounds and staple+tow rose 10.0% to 382.8 million pounds.

Shipments of noncellulosic fiber (except aramid, saran and spandex) rose in March to 735.2 million pounds, up 7.1% from the 686.3 million pounds shipped in February. Deliveries of filament yarn rose 3.3% to 349.0 million pounds and shipments of staple+tow rose 10.8% to 386.2 million pounds.

March producer exports of polyester staple+tow remained the same at 10.9 million pounds and exports of acrylic+modacrylic staple+tow rose to 10.2 million pounds, up 67.2%. For March 1989, producer exports of polyester staple+tow were 15.9% above the 9.4 million pounds exported in March 1988.

As of the end of March, stocks of noncellulosic fibers fell to 613.8 million pounds, down 0.2% from 615.1 million pounds in February. Stocks of staple+tow fell 1.1% and stocks of filament yarn rose 0.7%.

MANUFACTURED FIBER PRODUCTION DATA
MILLION POUNDS & PERCENT CHANGE

ITEM	1989 MAR	1989 FEB	% CHG 3-89/2-89	1988 MAR	% CHG 3-89/3-88	YEAR TO DATE 1989	YEAR TO DATE 1988	% CHG 1989/1988
CELLULOSIC								
YARN	18.8	16.2	*+16.0*	18.0	*+4.4*	52.6	49.3	*+6.7*
RAYON STAPLE	35.0	32.3	*+8.4*	36.3	*-3.6*	100.8	106.6	*-5.4*
TOTAL CELLULOSIC FIBER	**53.8**	**48.5**	***+10.9***	**54.3**	***-0.9***	**153.4**	**155.9**	***-1.6***
NONCELLULOSIC								
YARN								
NYLON - INDUSTRIAL	29.9	30.8	*-2.9*	32.6	*-8.3*	94.1	97.0	*-3.0*
- CARPET	81.9	76.8	*+6.6*	85.1	*-3.8*	239.6	239.5	*- -*
- TEXTILE [a]	33.0	34.3	*-3.8*	30.8	*+7.1*	102.7	95.2	*+7.9*
POLYESTER - INDUSTRIAL	29.5	25.1	*+17.5*	30.3	*-2.6*	83.2	87.5	*-4.9*
- TEXTILE [a]	81.2	74.4	*+9.1*	65.7	*+23.6*	230.8	197.0	*+17.2*
OLEFIN	95.6	98.5	*-2.9*	100.9	*-5.3*	292.4	301.6	*-3.1*
TOTAL YARN	**351.1**	**339.9**	***+3.3***	**354.4**	***+1.7***	**1042.8**	**1017.8**	***+2.5***
STAPLE+TOW+FIBERFILL								
NYLON	86.6	79.6	*+8.8*	76.4	*+13.4*	252.8	231.5	*+9.2*
ACRYLIC+MODACRYLIC	48.8	43.9	*+11.2*	52.0	*-6.2*	143.8	148.8	*-3.4*
POLYESTER	214.5	192.4	*+11.5*	192.5	*+11.4*	611.5	587.4	*+4.1*
OLEFIN	32.9	32.1	*+2.5*	32.0	*+2.8*	96.7	94.3	*+2.5*
TOTAL STAPLE	**382.8**	**348.0**	***+10.0***	**352.9**	***+8.5***	**1104.8**	**1062.0**	***+4.0***
TOTAL NONCELLULOSIC FIBER	**733.9**	**687.9**	***+6.7***	**698.3**	***+5.1***	**2147.6**	**2079.8**	***+3.3***
TOTAL MANUFACTURED FIBER	**787.7**	**736.4**	***+7.0***	**752.6**	***+4.7***	**2301.0**	**2235.7**	***+2.9***

a. Includes low denier industrial nylon and polyester yarn

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NONCELLULOSIC YARN+MONOFILAMENTS
PRODUCTION, SHIPMENTS & STOCK
MONTHLY 1989
MILLION POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
NYLON														
INDUSTRIAL[a]														
Domestic Shipments-Tires	11.9	13.0	13.5										38.4	39.5
-Other	9.1	8.7	8.8										26.6	27.9
Export	10.3	8.8	9.9										29.0	27.0
Ending Stock	24.4	24.7	22.4										22.4	23.5
CARPET														
Domestic Shipments	71.7	73.9	79.4										225.0	228.2
Export	3.0	3.1	3.0										9.1	9.7
Ending Stock	63.5	63.3	62.8										62.8	67.0
TEXTILE[c]														
Domestic Shipments	*32.5	*31.7	33.3										97.5	92.2
Export	1.5	1.5	1.5										4.5	2.9
Ending Stock	*47.1	*48.2	46.4										46.4	50.0
TOTAL NYLON ABOVE														
PRODUCTION	***149.7**	***141.9**	**144.8**										**436.4**	**431.7**
Domestic Shipments	*125.2	*127.3	135.0										387.5	387.8
Export	14.8	13.4	14.4										42.6	39.6
TOTAL SHIPMENTS	***140.0**	***140.7**	**149.4**										**430.1**	**427.4**
ENDING STOCK	***135.0**	***136.2**	**131.6**										**131.6**	**140.5**
POLYESTER														
INDUSTRIAL[a]														
Domestic Shipments-Tires	13.3	14.0	14.2										41.5	41.1
-Other	12.5	11.2	12.6										36.3	34.3
Export	2.8	3.5	3.6										9.9	11.1
Ending Stock	35.0	31.4	30.5										30.5	28.8
TEXTILE[c]														
Domestic Shipments by Denier														
40+50 (55 & Finer)	2.2	2.5	3.3										8.0	8.2
70 (56-89)	11.4	10.8	10.6										32.8	29.1
100 (90-109)	3.8	4.0	4.5										12.3	9.4
120 (110-129) & 135 (130-144)	*1.0	*1.0	1.4										3.4	4.7
150 (145-179)	*44.7	*44.4	46.8										135.9	121.2
200 (180 & Coarser)	*7.0	*6.3	7.0										20.3	18.7
Total Textile Domestic	*70.1	*69.0	73.6										212.7	191.3
Domestic Shipments also Divided as														
Textured Yarn	*54.4	*54.0	56.1										164.5	146.7
Flat Yarn	15.7	15.0	17.5										48.2	44.6
Export - Poy	2.0	1.5	1.2										4.7	17.7
Export - Flat	0.4	0.6	0.2										1.2	
Ending Stock	*73.6	76.9	83.1										83.1	79.5
TOTAL POLYESTER ABOVE														
PRODUCTION	**103.8**	***99.5**	**110.7**										**314.0**	**284.5**
Domestic Shipments	*95.9	*94.2	100.4										290.5	266.7
of Which Indirect Exports	*2.3*	*2.3*	*2.8*										*7.4*	*12.9*
Export	5.2	5.6	5.0										15.8	18.8
TOTAL SHIPMENTS	***101.1**	***99.8**	**105.4**										**306.3**	**285.5**
ENDING STOCK	***108.6**	**108.3**	**113.6**										**113.6**	**108.3**
OLEFIN														
PRODUCTION	**98.3**	**98.5**	**95.6**										**292.4**	**301.6**
Shipments														
Filament Yarn	25.4	25.4	21.9										72.7	62.7
Film Fiber & Other	73.1	72.0	72.3										217.4	233.3
TOTAL SHIPMENTS	**98.5**	**97.4**	**94.2**										**290.1**	**301.0**
ENDING STOCK	**53.0**	**54.1**	**55.5**										**55.5**	**53.5**
TOTAL ABOVE[b]														
PRODUCTION	***351.8**	***339.9**	**351.1**										**1042.8**	**1017.8**
DOMESTIC SHIPMENTS[d]	*319.6	*318.9	329.6										968.1	955.5
EXPORTS[e]	20.0	19.0	19.4										58.4	58.4
TOTAL SHIPMENTS	***339.6**	***337.9**	**349.0**										**1026.5**	**1013.9**
ENDING STOCK	***296.6**	***298.6**	**300.7**										**300.7**	**302.3**

See footnotes opposite.

NONCELLULOSIC STAPLE+TOW+FIBERFILL
PRODUCTION, SHIPMENTS & STOCK
MONTHLY 1989
MILLION POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
NYLON														
PRODUCTION - TOTAL	86.6	79.6	86.6										252.8	231.5
Domestic Shipments by Denier														
Less than 10	8.3	6.7	7.5										22.5	22.3
10, Less than 15	2.5	2.8	2.9										8.2	7.0
15, Less than 20	64.3	61.6	69.6										195.5	191.0
20 & Coarser	4.5	5.0	6.2										15.7	19.1
Total Domestic Shipments	79.6	76.1	86.2										241.9	239.4
Export	2.7	2.3	2.5										7.5	4.3
TOTAL SHIPMENTS	**82.3**	**78.4**	**88.7**										**249.4**	**243.7**
ENDING STOCK	**51.8**	**53.0**	**50.9**										**50.9**	**57.5**
ACRYLIC+MODACRYLIC														
PRODUCTION - TOTAL	**51.1**	**43.9**	**48.8**										**143.8**	**148.8**
Domestic Shipments by Denier														
Less than 4	26.4	30.2	30.1										86.7	83.8
4 & Coarser	7.9	9.9	8.5										26.3	25.2
Total Domestic Shipments	34.3	40.1	38.6										113.0	109.0
Export	7.4	6.1	10.2										23.7	47.7
TOTAL SHIPMENTS	**41.7**	**46.2**	**48.8**										**136.7**	**156.7**
ENDING STOCK	**70.6**	**68.3**	**68.3**										**68.3**	**55.4**
POLYESTER														
PRODUCTION - TOTAL	**204.6**	***192.4**	**214.5**										**611.5**	**587.4**
Domestic Shipments by Denier														
Fiberfill	30.1	28.6	31.9										90.6	85.3
Less than 1.3	59.7	*58.6	67.2										185.5	165.5
1.3, Less than 2.5	51.9	*50.3	59.3										161.5	175.9
2.5, Less than 5.5	12.1	11.9	13.0										37.0	34.3
5.5, Less than 10	6.2	8.0	8.0										22.2	19.3
10 & Coarser	27.3	23.8	27.0										78.1	78.0
Total Domestic Shipments	187.3	*181.2	206.4										574.9	558.3
Domestic Shipments also Divided as														
Carpet	19.9	18.9	21.4										60.2	66.1
Other	167.4	*162.3	185.0										514.7	492.2
Export	13.2	10.9	10.9										35.0	27.8
TOTAL SHIPMENTS	**200.5**	***192.1**	**217.3**										**609.9**	**586.1**
ENDING STOCK	**163.5**	**163.8**	**161.0**										**161.0**	**157.8**
OLEFIN														
PRODUCTION	**31.7**	***32.1**	**32.9**										**96.7**	**94.3**
SHIPMENTS	**31.0**	***31.7**	**31.4**										**94.1**	**89.4**
ENDING STOCK	**31.0**	**31.4**	**32.9**										**32.9**	**35.0**
TOTAL ABOVE														
PRODUCTION	**374.0**	***348.0**	**382.8**										**1104.8**	**1062.0**
DOMESTIC SHIPMENTS [d]	332.2	*329.1	362.6										1023.9	996.1
EXPORTS [e]	23.3	19.3	23.6										66.2	79.8
TOTAL SHIPMENTS	**355.5**	***348.4**	**386.2**										**1090.1**	**1075.9**
ENDING STOCK	**316.9**	**316.5**	**313.1**										**313.1**	**305.7**

*. Revised
a. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier
b. Does not include saran or spandex
c. Low denier industrial included with Textile
d. Includes olefin exports
e. Excludes olefin exports

CELLULOSIC YARN & STAPLE+TOW PRODUCTION, SHIPMENTS & STOCK

MONTHLY 1989

MILLION POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
	YARN+MONOFILAMENTS													
CELLULOSIC YARN														
PRODUCTION	**17.6**	**16.2**	**18.8**										**52.5**	**49.3**
SHIPMENTS-Domestic	15.2	14.6	16.1										45.9	41.4
-Export	2.1	2.4	2.3										6.8	8.7
-TOTAL	**17.3**	**17.0**	**18.4**										**52.7**	**50.1**
ENDING STOCK	**11.7**	**10.9**	**11.3**										**11.3**	**13.2**
INCLUDES ACETATE AND RAYON YARN+MONOFILAMENT.														
	STAPLE+TOW													
RAYON														
PRODUCTION	**33.5**	**32.3**	**35.0**										**100.8**	**106.6**
SHIPMENTS-Domestic	33.5	31.0	35.2										99.7	101.9
-Export	1.0	1.1	1.3										3.4	5.1
-TOTAL	**34.5**	**32.1**	**36.5**										**103.1**	**107.0**
ENDING STOCK	**13.0**	**13.2**	**11.7**										**11.7**	**20.3**

ESTIMATED U.S. MILL CONSUMPTION

MILLION POUNDS

ITEM	1988 REVISED JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1988	1987
CELLULOSIC														
YARN	14	15	16	18	16	17	17	16	17	18	17	19	200	180
STAPLE	33	36	39	36	37	37	30	38	36	37	31	30	420	410
TOTAL CELLULOSIC	**47**	**51**	**55**	**54**	**53**	**54**	**47**	**54**	**53**	**55**	**48**	**49**	**620**	**590**
NONCELLULOSIC														
YARN	310	333	342	343	341	338	310	339	342	353	345	350	4046	3933
STAPLE	345	365	377	368	365	365	338	378	368	395	367	387	4418	4385
TOTAL NONCELLULOSIC	**655**	**698**	**719**	**711**	**706**	**703**	**648**	**717**	**710**	**748**	**712**	**737**	**8464**	**8318**
TOTAL MANUFACTURED FIBER [a]	**702**	**749**	**774**	**765**	**759**	**757**	**695**	**771**	**763**	**803**	**760**	**786**	**9084**	**8908**
COTTON	300	311	339	278	303	297	226	240	307	269	292	238	3400	3738
WOOL	14	13	16	13	13	15	13	11	12	14	12	12	158	169
TOTAL FIBER	**1016**	**1073**	**1129**	**1056**	**1075**	**1069**	**934**	**1022**	**1082**	**1086**	**1064**	**1036**	**12642**	**12815**
% OF MILL CONSUMPTION														
MANUFACTURED FIBER	*69*	*70*	*69*	*73*	*71*	*71*	*74*	*76*	*71*	*74*	*72*	*76*	*72*	*70*
COTTON	*30*	*29*	*30*	*26*	*28*	*28*	*25*	*23*	*28*	*25*	*27*	*23*	*27*	*29*
WOOL	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*

a. Excludes glass fiber, acetate cigarette tow and Aramid